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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,295	07/08/2003	Ryosuke Yonekura	2003_0928A	7391
WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021			EXAMINER	
			KORNAKOV, MICHAIL	
			ART UNIT	PAPER NUMBER
			1746	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
31 D	DAYS	02/02/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

• ,		
	Application No.	Applicant(s)
	10/614,295	YONEKURA ET AL.
Office Action Summary	Examiner	Art Unit
	Michael Kornakov	1746
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be the service of the serv	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		·
1) Responsive to communication(s) filed on 09 A	November 2006.	
	s action is non-final.	
3) Since this application is in condition for alloware closed in accordance with the practice under a		
Disposition of Claims		
4) ⊠ Claim(s) 1-6 and 10-16 is/are pending in the a 4a) Of the above claim(s) 1-5 and 12-14 is/are 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 6,10,11,15,16 are subject to restriction	withdrawn from consideration.	
Application Papers	·	
9) The specification is objected to by the Examine		
10) The drawing(s) filed on is/are: a) acc	-	
Applicant may not request that any objection to the		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	•	
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea * See the attached detailed Office action for a list	nts have been received. Its have been received in Applica Drity documents have been receive Bu (PCT Rule 17.2(a)).	tion No ved in this National Stage
		•
Attachment(s)	· 	
1) Notice of References Cited (PTO-892)	4) Interview Summar Paper No(s)/Mail I	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal 6) Other:	

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DETAILED ACTION

1. Applicants' amendment dated 11/09/2006 is acknowledged. Claims 1-6, 10-16 are currently pending. Claims 1-5, 12-14 are withdrawn from consideration as being drawn to a non-elected invention. Claims 6, 10,11,15,16 are currently examined on the merits.

Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 6, 10, 11 drawn to a cleaning method for cleaning an object in a cleaning vessel, classified in class 134, subclass 26.
 - II. Claims 15, 16 drawn to a substrate cleaning method, classified in class 134, subclass 32.

The inventions are distinct, each from the other because of the following reasons:

Inventions of Group I and Group II are directed to related processes. The related inventions are distinct if the (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the inventions as claimed are distinct since they have different mode of operation, they do not overlap in scope and they are not obvious variants.

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With regard to the mode of operation, the invention of Group I requires the use of the first nozzle in the step to clean the inner wall of the cleaning cup; the use of the second nozzle in the step to clean the inner wall of the cleaning vessel; the use of the third nozzle to clean the surface of the object. There is no requirement to use any nozzle in the step to rinse the object to be cleaned. The invention of Group II requires the use of the first nozzle in the step to spray a surface of the substrate with a chemical liquid; the use of the second nozzle in the step to spray the substrate with a rinsing liquid; the use of the third nozzle in the step to spray a liquid to clean an inner wall of the cleaning cup; the use of the fourth nozzle in the step to spray a liquid to clean an inner wall of the cleaning vessel. Therefore the inventions of Group I and Group II have different modes of operation.

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The instant inventions do not overlap in scope since they include different processing steps and different modes of operation for performing these steps. The instant inventions are not obvious variants since the invention of Group II includes the steps, such as treating the substrate in a primary cleaning apparatus and transferring the substrate to a cleaning cup, since the invention of Group I requires using different nozzles for cleaning the surface of the object compare to the invention of Group II, requiring cleaning the surface of the substrate, such steps apparently do not represent obvious variants of the cleaning procedure.

3. Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required

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because the inventions have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

- 4. Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.
- 5. Applicant is advised that the reply to this requirement to be complete must include (i) an election of an invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

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6. Since 37 CFR 1.142(a) provides that restriction is proper at any stage of prosecution up to final action, a requirement may be made when it becomes proper, even though there was a prior requirement with which applicant complied. *Ex parte Benke*, 1904 C.D. 63, 108 O.G. 1588 (Comm'r Pat. 1904).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Kornakov whose telephone number is (571) 272-1303. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on (571) 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

M KOPNAKON

Michael Kornakov Primary Examiner Art Unit 1746

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01/27/2007

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